

CLAIMS:

1. A structure for mounting a connector on a board,
wherein the connector includes a terminal that has a tip end
5 portion and a remainder portion, the board has a receiving
hole, and a land is provided in a section of the board about
the receiving hole, wherein the terminal is connected to the
land with at least a part of the tip end portion being located
in the receiving hole, and wherein the ratio of the cross-
10 sectional area of the tip end portion to the cross-sectional
area of the receiving hole is at least 0.11 and no more than
0.89.

2. The structure according to claim 1, wherein the ratio
15 of the cross-sectional areas is at least 0.13 and no more than
0.57.

3. The structure according to claim 1, wherein the cross-
sectional area of the tip end portion is at least 0.09 mm^2 and
20 no more than 0.25 mm^2 , and wherein the cross-sectional area of
the receiving hole is at least 0.28 mm^2 and no more than 0.79
 mm^2 .

4. The structure according to claim 3, wherein the cross-
25 sectional area of the receiving hole is at least 0.44 mm^2 and
no more than 0.71 mm^2 .

5. The structure according to claim 3, wherein the cross-
section of the tip end portion is a rectangle, the length of
30 each side being at least 0.3 mm and no more than 0.5 mm, and
wherein the cross-section of the receiving hole is a circle,
the diameter of the circle being at least 0.6 mm and no more
than 1.0 mm.

6. The structure according to claim 5, wherein the diameter of the receiving hole is at least 0.75 mm and no more than 0.95 mm.

5 7. The structure according to claim 1, wherein the cross-sectional area of the tip end portion is less than the cross-sectional area of the remainder portion.

10 8. The structure according to claim 7, wherein the tip end portion has a first surface, which is a side surface, and the remainder portion has a second surface, which is also a side surface, and wherein the first surface and the second surface are flush with each other.

15 9. The structure according to claim 1, wherein the width of the land is at least 0.4 mm and no more than 0.6 mm.

20 10. The structure according to claim 1, further comprising one or more terminals, one or more receiving holes, and one or more lands, wherein each land is provided in a section of the board about one of the receiving holes, and wherein each terminal is connected to one of the land with at least a part of the tip end portion being located in the corresponding receiving hole.

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11. The structure according to claim 10, wherein the ratio of the width of each land to the clearance between each adjacent pair of the lands is at least 1 and no more than 1.5.

30 12. The structure according to claim 11, wherein the width of each land is at least 0.4 mm and no more than 0.6 mm.

35 13. The structure according to claim 10, wherein each receiving hole has a center, and wherein the ratio of the width of each land to the distance between the centers of each

adjacent pair of the receiving holes is at least 0.18 and no more than 0.27.

14. The structure according to claim 13, wherein the
5 width of each land is at least 0.4 mm and no more than 0.6 mm.

15. A structure for mounting a connector on a board,
wherein the connector includes a plurality of terminals each
having a tip end portion and a remainder portion, wherein the
10 cross-sectional area of the tip end portion of each terminal
is less than the cross-sectional area of the remainder portion,
wherein the cross-section of the tip end portion of each
terminal is a rectangle, the length of each side being at
least 0.3 mm and no more than 0.5 mm, wherein the board has a
15 plurality of receiving holes, the cross-section of each
receiving hole being a circle, the diameter of the circle
being at least 0.6 mm and no more than 1.0 mm, wherein a land
is provided in a section of the board about each receiving
hole, and wherein each terminal is connected to one of the
20 lands with at least a part of the tip end portion being
located in the corresponding receiving hole.